

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 07/25/2022 11:25 AM
Cytometer Baseline: 06/07/2022 10:19 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 10398 **Expiration Date:** 01/31/2023
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124474	-1	1.25	124420	1.22
Blue	F	SSC	125000	125073	0	2.60	125650	2.52
Blue	E	FITC	15860	15384	-4	2.22	375	14.20
Blue	D	PE	27718	27199	-2	1.68	633	10.42
Blue	B	PerCP-Cy5-5	38046	37236	-3	2.91	1017	15.08
Blue	A	PE-Cy7	26092	25590	-2	4.92	500	31.53
Red	C	APC	49104	48277	-2	2.74	1699	11.33
Red	A	APC-Cy7	28201	27481	-3	3.03	723	12.44
Violet	B	V450	9904	9488	-5	3.57	524	11.79
Violet	A	V500	39004	37456	-4	3.27	975	8.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23971	1.65	567	-2	N/A	N/A	Pass
Blue	F	SSC	55947	1.40	525	-3	N/A	N/A	Pass
Blue	E	FITC	57	55.60	494	3	0.0413	58	Pass
Blue	D	PE	123	37.93	500	4	0.3877	272	Pass
Blue	B	PerCP-Cy5-5	139	44.33	593	4	0.0190	44	Pass
Blue	A	PE-Cy7	63	97.72	636	4	0.0205	4	Pass
Red	C	APC	326	26.46	579	-2	0.0285	164	Pass
Red	A	APC-Cy7	97	42.62	552	-3	0.0060	1070	Pass
Violet	B	V450	85	51.32	460	2	0.0589	2518	Pass
Violet	A	V500	122	34.42	471	2	0.0263	1661	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.54	-31.31	1.10
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	14.69	13.90 - 20.86	N/A	N/A	29.82	29.98	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 11301

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments